Applicants; Clark, Jr. et al

Title: Method Apparatus for Transmission of Well-Bore Data on Mu

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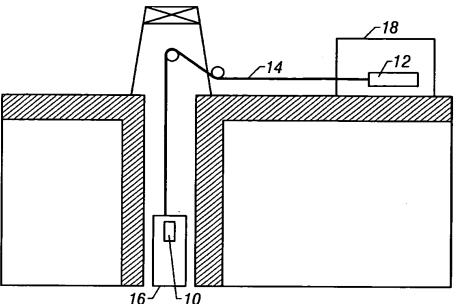
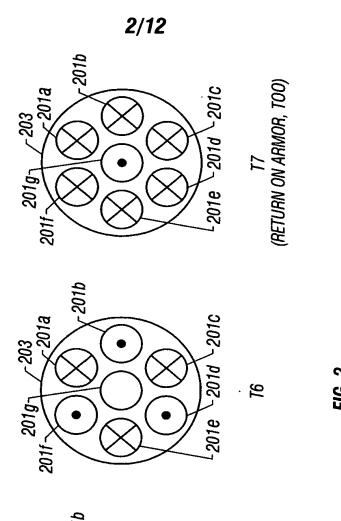


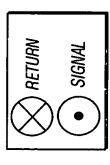
FIG. 1 (Prior Art)

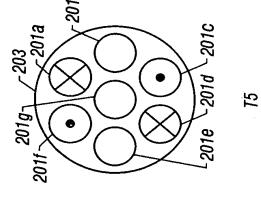
Applicants: Clark, Jr. et al
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Applicants; Glerk, Jr. et al
Title: Met and Apparatus for Transmission of Well-Bore Data on McCarrier Frequencies Serial No. 097471,659 Sheet 3 of 12 Contact: Pehr B. Jansson, 512-331-3748 3/12 FEB 1 9 2003 RADEMARY. ~307 CABLE DRIVER **TRANSMITTER** RECEIVER -310 -314 -308 DAC -304 -321 RX DIGITAL CIRCUITS **RX FIRMWARE TX FIRMWARE** -305 303 322 TRANSMITTER DSP RECEIVER DSP WEMORY TOOL INTERFACE 100T n

Applicants; Clark, Jr. et al
Title: Met Apparatus for Transmission of Well-Bore Data on Mt Carrier Frequencies Serial No. 05/471,659 Sheet 4 of 12 Contact: Pehr B. Jansson, 512-331-3748 4/12 7401 CABLE DRIVER RECEIVER -412 RX SIGNAL CONDITIONER -414

-416

7420

ADC

RECEIVER DSP

SAMPLE CLOCK GENERATOR

**RX FIRMWARE** 

-418

403

SHARED MEMORY

DAC

TRANSMITTER DSP

TX FIRMWARE

FEB 1 9 2003

TRANSMITTER

THADEMARK OF

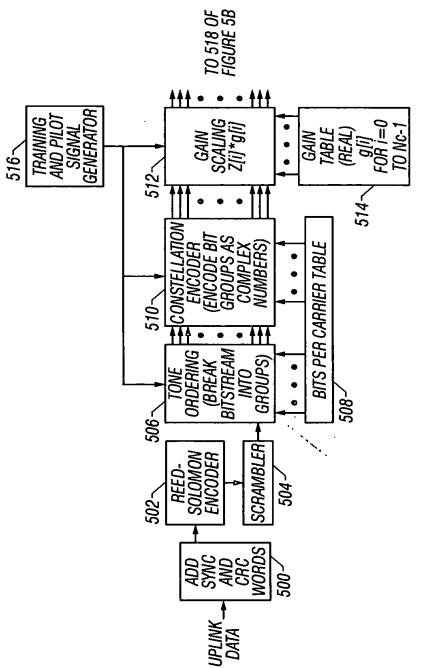
Applicants; Clork, Jr. et al
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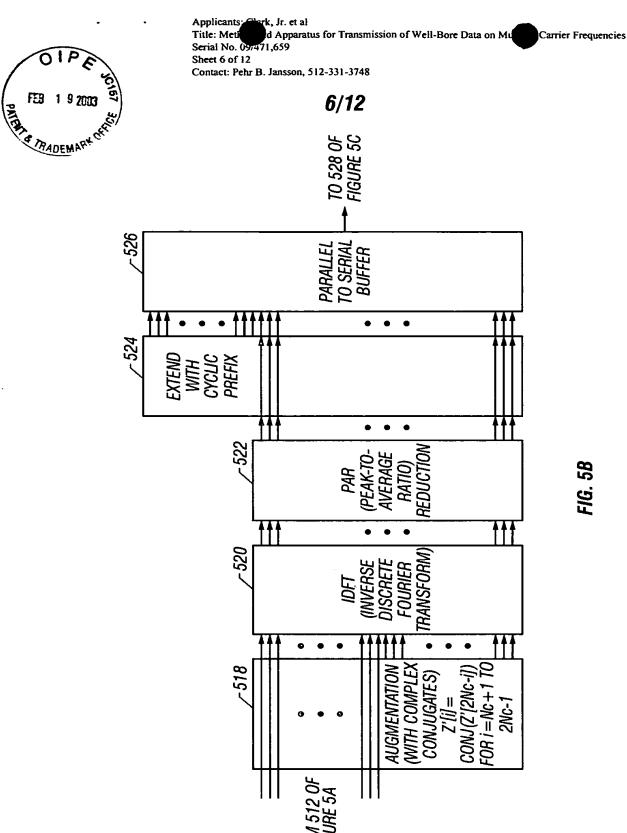
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Carrier Frequencies



Applicants: Clark, Jr. et al Title: Method Apparati d Apparatus for Transmission of Well-Bore Data on Mu Carrier Frequencies Sheet 7 of 12 Contact: Pehr B. Jansson, 512-331-3748 7/12 -528 -530 **UPSAMPLING** FLOATING-TO-(BY NUP) AND FROM 526 OF FIGURE 5B FIXED POINT INTERPOLATION **CONVERSION** (VIA FIR FILTER) (THIS BLOCK CAN BE **MOVED** -532 **DEPENDING UPON DESIGN** D-TO-A ►TO DAC ISSUES) **INTERFACE** 

FIG. 5C

PATE 19 700 50 60

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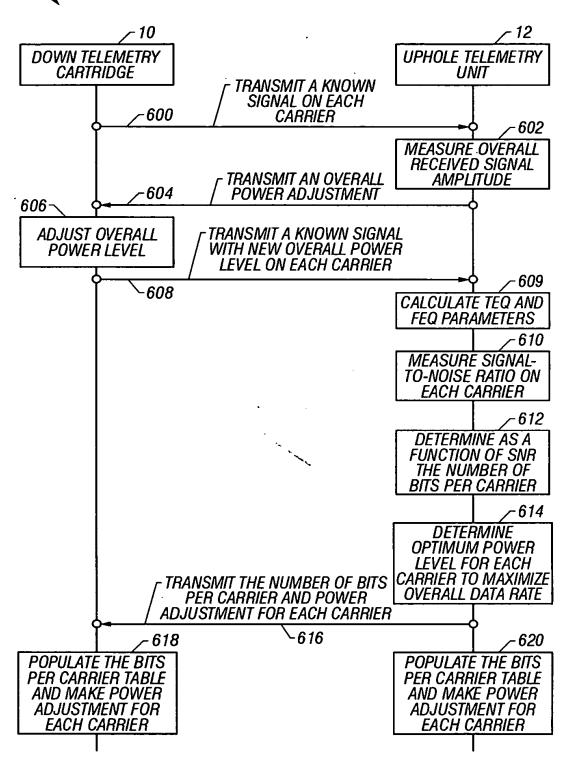
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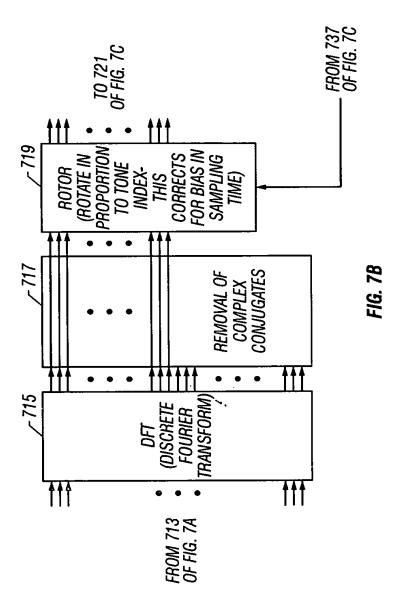
OL PHANCE PROPERTY OF TRANSMISSION OF

PEAK/CLIP DETECTOR

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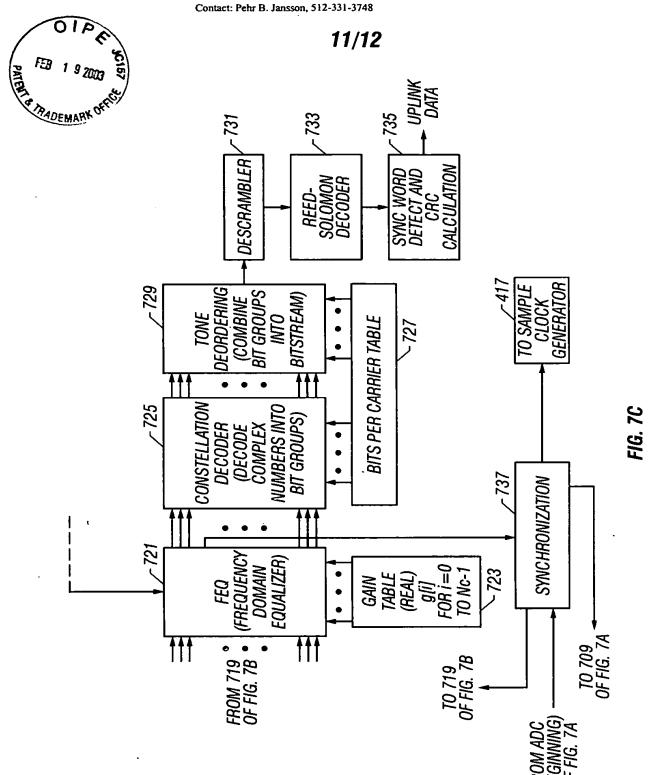
Contact: Pehr B. Jansson, 512-331-3748

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